



Patent
Docket No. 070702008020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Xing SU et al.

Serial No.: 10/660,902

Filing Date: September 12, 2003

For: METHODS TO INCREASE
NUCLEOTIDE SIGNALS BY RAMAN
SCATTERING

Examiner: A. M. Bertagna

Group Art Unit: 1637

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the non-patent literature documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Supplemental Information Disclosure Statement is submitted with the filing of a Request for Continued Examination under § 1.114; accordingly, no fee or separate requirements are required.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 070702008020.

Dated: February 14, 2007

Respectfully submitted,


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Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/660,902
				Filing Date	September 12, 2003
				First Named Inventor	Xing SU
				Art Unit	1637
				Examiner Name	A. M. Bertagna
Sheet	1	of	2	Attorney Docket Number	070702008020

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T ⁶

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	1.	Berger & Kimmel, <u>Guide to Molecular Cloning Techniques</u> Academic Press, New York, NY. 1987			T ²
	2.	Sambrook, et al, <u>Molecular Cloning: A Laboratory Manual</u> 2 nd Ed. Cold Spring Harbor Press, Cold Spring Harbor, NY. 1989			
	3.	Holmstrom et al. (1993). "A Highly Sensitive and Fast Nonradioactive Method for Detection of Polymerase Chain Reaction Products," <i>Analytical Biochemistry</i> 209:278-283.			
	4.	Running et al. (1990)"A Procedure for Productive Coupling of Synthetic Oligonucleotides to Polystyrene Microtiter Wells for Hybridization Capture," <i>BioTechniques</i> 8:276-277			
	5.	Newton et al.(1993). "The Production of PCR Products with 5' Single-Stranded Tails Using Primers That Incorporate Novel Phosphoramidite Intermediates," <i>Nucleic Acids Res.</i> 21:1155-1162			
	6.	Goodman and Tippin. (2000). "The Expanding Polymerase Universe," <i>Nature Reviews: Molecular Cell Biology</i> 1:101-109.			
	7.	Craighead (2000). "Nanoelectrical Systems," <i>Science</i> 290:1532-1536			
	8.	Woolley and Mathies. (1994). "Ultra-high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips," <i>PNAS</i> 91:11348-11352.			
	9.	Effenhauser et al. (1994). "High-Speed Separation of Antisense Oligonucleotides on a Micromachined Capillary Electrophoresis Device," <i>Analytical Chemistry</i> 66:2949-2953.			
	10.	Harrison et al. (1993). "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <i>Science</i> 261:895-897.			
	11.	Rasmussen et al. (1991). "Covalent Immobilization of DNA onto Polystyrene Microwells: The Molecules Are Only Bound at the 5'End," <i>Anal. Biochem.</i> 198:138-142.			
	12.	Anderson et al. "Fabrication of Topologically Complex Three-Dimensional			

Examiner Signature	Date Considered
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FEB. 14 2007

ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/660,902
				Filing Date	September 12, 2003
				First Named Inventor	Xing SU
				Art Unit	1637
				Examiner Name	A. M. Bertagna
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		Microfluidic Systems in PDMS by Rapid Prototyping," <i>Anal. Chem.</i> 72:3158-3164, 2000.	
13.		Townsend and Tipson, eds. (1978). <u>Nucleic Acid Chemistry: Improved and new synthetic Procedures, Methods, and Techniques, Part One</u> . John Wiley & Sons, Inc.: New York City, NY, pp. v-xv Table of Contents.	
14.		Walker et al. (1999). "Mechanical Manipulation of Bone and Cartilage cells With 'Optical Tweezers'," <i>FEBS Lett.</i> 459:39-42	
15.		Bennik et al.(1999). "Single-Molecule manipulation of Double-Stranded DNA Using Optical Tweezers: Interaction Studies of DNA with RecA and YOYO-1," <i>Cytometry</i> 36:200-208	
16.		Mehta et al. (1999). "Single-Molecule Biomechanics with Optical Methods," <i>Science</i> 283:1689-1695	
17.		Smith et al. (1999). "Inexpensive Optical Tweezers for Undergraduate Laboratories," <i>Am. J. Phys.</i> 67:26-35	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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